



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COLUMBIA ENVIRONMENTAL FIELD OFFICE

1421 HAMPSHIRE PIKE
COLUMBIA, TENNESSEE 38401

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December 12, 2016

Honorable Danny Bingham
Mayor
Town of Chapel Hill
PO Box 157
Chapel Hill, TN 37034

Re: Compliance Evaluation Inspection
 Chapel Hill STP
 NPDES Permit No. TN0064670
 Chapel Hill, Marshall County, Tennessee

Dear Mayor Bingham:

On December 2, 2016, I conducted a Compliance Evaluation Inspection (CEI) of the Chapel Hill Wastewater Treatment Plant. A CEI is conducted to determine compliance with the permit and to review the operation and maintenance of the treatment plant and collection system. The following observations were made during the inspection:

1. The current permit became effective on June 1, 2013 and shall expire On May 30, 2018.
2. A review of the Discharge Monitoring Reports (DMR's) submitted to this office since the previous inspection was conducted. The review indicated that the Bio-Chemical Oxygen Demand (BOD) monitoring parameter has been in compliance with the permit limit. An additional surface aerator has been installed in lagoon #1 since the previous inspection to improve the oxygen level in the lagoon.
3. No septic haulers are allowed to discharge into the treatment facility.
4. Laboratory equipment used to conduct the analytical monitoring requirements of the permit was calibrated by Labtronix in October 2016. The effluent flow meter was calibrated by Thomas Controls.
5. The following new laboratory equipment has been purchased since the previous inspection; IDEXX Quanti-Tray Sealer for e-coli samples, Hach 40d-Dissolved Oxygen (DO) and pH meter and AND-HR100A scale with calibration weights. Laboratory bench sheets for each monitoring parameter analyzed were available for review during the inspection.
6. A Standard Operating Procedure (SOP) manual has been developed for both the wastewater treatment plant laboratory and the collection system since the previous inspection.

7. The Town of Chapel Hill has received a Community Development Block Grant (CDBG) for upgrades to the wastewater treatment plant and the installation of a new force main in the collection system.
8. The collection system is a Septic Tank Effluent Pump (STEP) system where each individual site contains a small septic tank which receives all of the waste from the dwelling or business. With baffles to separate the solids and liquids, only the liquids are pumped via small diameter pipes into existing gravity mains which flow to one of eight pumping stations. Eventually 95 percent of the flow from the gravity mains goes to the Morningside Drive pumping station and ultimately discharges into the wastewater treatment plant. The new force main will reduce the volume presently received at the Morningside Drive pumping station.
9. Henry Horton State Park recently installed a septic tank which receives the park wastewater prior to discharging to the Chapel Hill Wastewater Treatment Plant. Prior to the installation of the tank, the wastewater treatment plant received all wastewater from the park with no separation of solids and liquids. This will reduce the initial volume of any solids entering the wastewater treatment plant.
10. The treatment plant is enclosed with a perimeter fence and a locked gate. The entrance road leading to the plant is also equipped with a locked gate. The effluent discharging from the plant on the day of the inspection was clear. The outfall to the Duck River is posted with the sign requirements of the permit.

This concludes my observations. I would like to thank Ms. Warner and Mr. Helmick for their time and cooperation during the inspection. If you have any questions you may reach me at 931-840-4166 or by e-mail at gary.horne@tn.gov.

Sincerely,



Gary Horne
Division of Water Resources



TDEC - Division of Water Resources

ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID:	TN0064670	Facility Site Name	Chapel Hill Wastewater Treatment Plant		
		Address	Hwy. 99, Chapel Hill, TN 37034		
Permit Eff. Date:	Jun 1, 2013	Permit Exp Date:	May 30, 2018	SIC Code:	

Compliance Monitoring Information

Compliance Monitoring Activity Name	Compliance Evaluation (non-sampling) (CEI)				
	* If Bio Monitoring is selected above, select the method used:				
Compliance Monitoring Activity	Evaluation				

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm):	12/02/2016 9:30	Exit Date/Time (mm/dd/yyyy hh:mm):	12/02/2016 11:30
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Facility Representatives

Jon Helmick, WWTP Operator, 931-364-2434	Honorable Danny Bingham, Mayor, 931-364-7632
On-Site Representative(s) Title, Phone Number	Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute:	CWA - Clean Water Act	State Statute:	Tennessee Water Quality Control Act
Programs:	NPDES- Base Program (Limits, Reporting, & Schedule)		

Compliance Monitoring Reason: Core Program

Compliance Monitoring Agency Type: State Agency Name: TDEC - DWR

Did EPA assist/ Inspection? No Time Physically conducting activity: Days: Hours: 2

Inspection Type: State Compliance Monitoring Action Outcome: No Violation

Lead Agency: State Compliance Monitoring Rating Code: Unrated


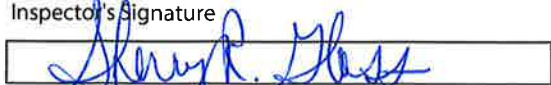
If Joint Inspection, what was the purpose of the other party?

Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self - Compliance Program	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records / Records	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input checked="" type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water
<input checked="" type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow
<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling / Disposal	<input checked="" type="checkbox"/> Sanitary Sewer Overflow

Compliance Monitoring Summary

EPA and State Representatives

	TDEC-DWR/ Columbia EFO/ 931-840-4166	12/12/16
Inspector's Signature	Agency / Office / Phone	Date
	TDEC-DWR/ Columbia EFO/ 931-840-4153	12/12/16
Manager's Signature	Agency / Office / Phone	Date

(Note: This form can only be printed to an XPS document, then saved for later use.)